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Applicant(s): Yasushi AKIYAMA et al.

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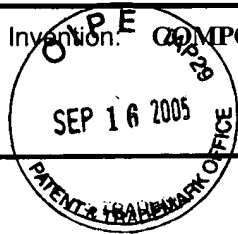
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Examiner

WU, Ives J.

Group Art Unit

1713

Invention: **COMPOSITION FOR ANTIREFLECTIVE COATING AND METHOD FOR FORMING SAME**I hereby certify that this English Language abstract of JP 09-050129 - 2 Pages

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(21)Application number : 07-290480 (71)Applicant : SHIN ETSU CHEM CO LTD

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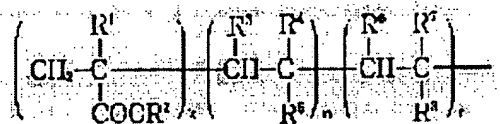
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(54) ANTIREFLECTION FILM MATERIAL AND PATTERN FORMING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an antireflection film material excellent in film forming property and capable of forming a resist pattern with high reproducibility by using a specified water-soluble fluoro-resin in combination with an amine salt of an F-contg. org. acid.

SOLUTION: This antireflection film material consists essentially of a water-soluble fluoro-resin represented by the formula and an amine salt of an F-contg. org. acid. In the formula, R1 is H or methyl, R2 is-(CH₂)_a(CF₂)_bX, etc., R3 is carboxyl, etc., R4 is-CH₂COOH, etc., R5 is-C(=O)YR₁₂COOH, etc., R6 is- COONR₁₃R₁₄R₁₅R₁₆, etc., R7 is-CH₂COONR₁₃R₁₄R₁₅R₁₆, etc., R8 is -C(=O)YR₁₂ SO₃NR₁₃R₁₄R₁₅R₁₆, etc., R₁₂ is an alkylene, each of R₁₃-R₁₆ is an alkyl, etc., X is H or F and Y is -O- or -NH-.



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